

No.

9900232



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Western Plant Breeders

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED, PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW. NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

WHEAT, COMMON

'Conan'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this thirty-first day of January, in the year of our Lord two thousand.

Attest:

Ann Marie Shon

Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

John H. ...

Secretary of Agriculture

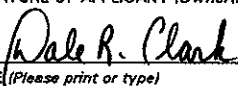
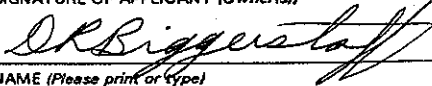
U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY DIVISION - PLANT VARIETY PROTECTION OFFICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S) (as it is to appear on the Certificate)		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER	3. VARIETY NAME
Western Plant Breeders, Inc		BZ 992-588	Conan
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)		5. TELEPHONE (include area code)	FOR OFFICIAL USE ONLY PVPO NUMBER 9900232
8111 Timberline Drive Bozeman, MT 59718-8184		(406) 587-1218	
7. GENUS AND SPECIES NAME		6. FAX (include area code)	F I L I N G DATE
Triticum aestivum		(406) 586-8247	March 25, 1999
8. FAMILY NAME (Botanical)		FILING AND EXAMINATION FEE:	
Poaceae		F E E S DATE 3-25-99	
9. CROP KIND NAME (Common name)		CERTIFICATION FEE:	
Common wheat		C E R T I F I C A T I O N DATE 8/16/99	
10. IF THE APPLICANT NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.) (Common name)		12. DATE OF INCORPORATION	
Corporation		Aug. 24, 1990	
11. IF INCORPORATED, GIVE STATE OF INCORPORATION		14. TELEPHONE (include area code)	
Arizona		(406)-587-1218	
13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS		15. FAX (include area code)	
Dr. Dale R. Clark Western Plant Breeders 8111 Timberline Drive Bozeman, MT 59718-8184		(406) 586-8247	
16. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse)			
a. <input checked="" type="checkbox"/> Exhibit A. Origin and Breeding History of the Variety b. <input checked="" type="checkbox"/> Exhibit B. Statement of Distinctness c. <input checked="" type="checkbox"/> Exhibit C. Objective Description of the Variety d. <input checked="" type="checkbox"/> Exhibit D. Additional Description of the Variety (Optional) e. <input checked="" type="checkbox"/> Exhibit E. Statement of the Basis of the Applicant's Ownership f. <input checked="" type="checkbox"/> Voucher Sample (2,500 viable untreated seeds or, for tuber propagated varieties verification that tissue culture will be deposited and maintained in an approved public repository) g. <input checked="" type="checkbox"/> Filing and Examination Fee (\$2,460), made payable to "Treasurer of the United States" (Mail to PVPO)			
17. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY, AS A CLASS OF CERTIFIED SEED? (See Section 83(a) of the Plant Variety Protection Act)			
<input type="checkbox"/> YES (If "yes," answer items 18 and 19 below) <input checked="" type="checkbox"/> NO (If "no," go to item 20)			
18. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?		19. IF "YES" TO ITEM 18, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED?	
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		<input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED	
20. HAS THE VARIETY OR A HYBRID PRODUCED FROM THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETED IN THE U.S. OR OTHER COUNTRIES?			
<input checked="" type="checkbox"/> YES (If "yes," give names of countries and dates) <input type="checkbox"/> NO			
USA March 1999			
21. The applicant(s) declare that a viable sample of basic seed of the variety will be furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate.			
The undersigned applicant(s) is(are) the owner(s) of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.			
Applicant(s) is(are) informed that false representation herein can jeopardize protection and result in penalties.			
SIGNATURE OF APPLICANT (Owner(s))		SIGNATURE OF APPLICANT (Owner(s))	
			
NAME (Please print or type)		NAME (Please print or type)	
Dale R. Clark		Dan R. Biggerstaff	
CAPACITY OR TITLE	DATE	CAPACITY OR TITLE	DATE
Barley and Wheat Breeder	March 23, 1999	General Manager	3/23/99

“C O N A N”
(Exp. # BZ 992-588)

16. a. Exhibit A. Origin and Breeding History

“Conan” (Exp. # BZ 992-588) originated from the cross of Rambo X WestBred 906R, made near Phoenix, AZ in March, 1990. The F1 plants were grown near Bozeman, MT during the summer of 1990 and the F2 seed harvested in September, 1990. The F2 seed was planted near Phoenix in Nov. 1990 and single F2 heads were harvested in late April, 1991. F3 head rows were planted in May 1991 near Bozeman. Single heads were selected from desirable rows in the fall of 1991. F4 head rows were planted in April, 1992. Agronomically acceptable F4 rows were selected and this particular row was given the designation BZ 992-588. Protein and protein quality (the SDS sedimentation test) analysis were conducted on the selected lines prior to advancing to yield trials. Yield trials were conducted on the F5 through F10 generations near Bozeman and near Conrad, MT, where it was possible to screen for resistance to the wheat stem sawfly and the wheat streak mosaic virus. End use quality data (Table 3) and agronomic data (Tables 1 and 2) were gathered from through out the state of Montana on the F8 through F10 generations.

F5 heads were selected from plots grown near Bozeman and planted as head rows near Phoenix in Nov. 1993. F6 rows were harvested individually in late April, 1994 and F7 seed from these were planted in 5'x17' plots near Bozeman in May, 1994. F8 seed was harvested from these plots and evaluated for protein quality. F9 seed of selected plots were planted in May, 1995 to increase seed of the selected lines. Uniform increases were harvested and bulked. This F10 seed was planted in May 1996 to produce Breeder's seed. The Breeder's seed was planted on approximately four acres near Bozeman in May 1997 to produce Foundation seed. Foundation seed was planted in the spring of 1998 to produce Registered and Certified seed. Certified seed will first be sold to growers in the spring of 1999.

A variant that is similar to Conan, but is 4 to 8 inches taller, occurs at a frequency of up to .08% (8 per 10,000 plants). Otherwise, Conan is a stable and uniform variety in agronomic appearance and performance across several generations (F6 to F10) and growing conditions.

16. b. Exhibit B. Statement of Distinctness

Conan is most similar to the variety WestBred 906R. However, the glumes of Conan have square shoulders while WestBred 906R have elevated ones. Also, the seed of Conan is elliptical with a long, collard brush, while WestBred 906R's seed is ovate with a medium length, non-collared brush. And Conan is tolerant to the wheat stem sawfly whereas WestBred 906R is not.

The above comparisons along with the complete objective description, (Exhibit C) show Conan to be a novel variety of hard red spring wheat.

OBJECTIVE DESCRIPTION OF VARIETY
WHEAT (*Triticum* spp.)

NAME OF APPLICANT(S)

Western Plant Breeders, Inc

ADDRESS (Street and No. or R.F.D. No., City, State, and Zip Code)

8111 Timberline Drive

Bozeman, MT 59718-8184

FOR OFFICIAL USE ONLY

PVPO NUMBER 9900232

VARIETY NAME

Conan

TEMPORARY OR EXPERIMENTAL
DESIGNATION

BZ 992-588

PLEASE READ ALL INSTRUCTIONS CAREFULLY: Place the appropriate number that describes the varietal character of this variety in the boxes below. Place a zero in the first box (e.g. or) when number is either 99 or less or 9 or less respectively. Data for quantitative plant characters should be based on a minimum of 100 plants. Comparative data should be determined from varieties entered in the same trial. Royal Horticultural Society or any recognized color standard may be used to determine plant colors; designate system used: _____
Please answer all questions for your variety; lack of response may delay progress of your application.

1. KIND:

1

1=Common

2=Durum

3=Club

4=Other (SPECIFY) _____

2. VERNALIZATION:

1

1=Spring

2=Winter

3=Other (SPECIFY) _____

3. COLEOPTILE ANTHOCYANIN:

1

1=Absent

2=Present

4. JUVENILE PLANT GROWTH:

3

1=Prostrate

2=Semi-erect

3=Erect

5. PLANT COLOR (boot stage):

3

1 = Yellow-Green

2 = Green

3 = Blue-Green

6. FLAG LEAF (boot stage):

2

1 = Erect

2 = Recurved

2

1 = Not Twisted

2 = Twisted

7. EAR EMERGENCE:

0 2

Number of Days Earlier Than McNeal

0 2

Number of Days Later Than West Bred 936

8. ANTHOR COLOR:

1

1 = YELLOW

2 = PURPLE

9. PLANT HEIGHT (from soil to top of head, excluding awns):

1 0

cm Taller Than West Bred 936

1 5

cm Shorter Than Amidon

9900232

10. STEM:

A. ANTHOCYANIN

☐ 2 1= Absent 2=Present

B. WAXY BLOOM

☐ 2 1=Absent 2=Present

C. HAIRINESS (last internode of rachis)

☐ 2 1=Absent 2=Present

D. INTERNODE (SPECIFY NUMBER) 4

☐ 2 1=Hollow 2=Semi-solid 3=Solid

E. PEDUNCLE

☐ 2 1=Absent 2=Present

☐ 45 cm Length

11. HEAD (at Maturity):

A. DENSITY

☐ 2 1=Lax 2=Middense 3= Dense

B. SHAPE

☐ 2 1 = Tapering 2 = Strap 3 = Clavate 4 = Other (SPECIFY) _____

C. CURVATURE

☐ 1 1 = Erect 2 = Inclined 3 = Recurved

D. AWNEDNESS

☐ 4 1 = Awnless 2 = Apically Awnletted 3 = Awnletted 4 = Awned

12. GLUMES (at Maturity):

A. COLOR

☐ 1 1 = White 2 = Tan 3 = Other (SPECIFY) _____

B. SHOULDER

☐ 4 1 = Wanting 2 = Oblique 3 = Rounded 4 = Square 5 = Elevated 6 = Apiculate

C. BEAK

☐ 3 1 = Obtuse 2 = Acute 3 = Acuminate

D. LENGTH

☐ 3 1 = Short (ca. 7mm) 2 = Medium (ca. 8mm) 3 = Long (ca. 9mm)

E. WIDTH

☐ 2 1 = Narrow (ca. 3mm) 2 = Medium (ca. 3.5mm) 3 = Wide (ca. 4mm)

13. SEED:

A. SHAPE

☐ 3 1 = Ovate 2 = Oval 3 = Elliptical

B. CHEEK

☐ 1 1=Rounded 2=Angular

C. BRUSH

☐ 3 1=Short 2=Medium 3=Long

☐ 2 1 = Not Collared 2 = Collared

D. CREASE

☐ 2 1 = Width 60% or less of Kernel
2 = Width 80% or less of Kernel
3 = Width Nearly as Wide as Kernel

☐ 1 1 = Depth 20% or less of Kernel
2 = Depth 35% or less of Kernel
3 = Depth 50% or less of Kernel

13. SEED: (continued)

E. COLOR

☒ 3 1 = White 2 = Amber 3 = Red 4 = Other (SPECIFY) 9900232

F. TEXTURE

☒ 1 1=Hard 2=Soft

G. PHENOL REACTION (see instructions):

☒ 0 1 = Ivory 2 = Fawn 3 = Light Brown 4 = Dark Brown 5 = Black 0 = Not Tested.

14. DISEASE: (0=Not Tested; 1=Susceptible; 2=Resistant; 3=Intermediate; 4=Tolerant)
PLEASE INDICATE THE SPECIFIC RACE OR STRAIN TESTED

Stem Rust (*Puccinia graminis* f. sp. *tritici*)

☒ 0

Stripe Rust (*Puccinia striiformis*)

☒ 2 Prevalent

Tan Spot (*Pyrenophora tritici-repentis*)

☒ 0

Halo Spot (*Selenophoma donacis*)

☒ 0

Septoria nodorum (Glume Blotch)

☒ 0

Septoria avenae (Speckled Leaf Disease)

☒ 0

Septoria tritici (Speckled Leaf Blotch)

☒ 0

Scab (*Fusarium* spp.)

☒ 0

"Black Point" (Kernel Smudge)

☒ 0

Barley Yellow Dwarf Virus (BYDV)

☒ 0

Soilborne Mosaic Virus (SBMV)

☒ 0

Wheat Yellow (Spindle Streak) Mosaic Virus

☒ 0

Wheat Streak Mosaic Virus (WSMV)

☒ 0

Other (SPECIFY)

☒ 0

Other (SPECIFY)

☒ 0

Other (SPECIFY)

☒ 0

Leaf Rust (*Puccinia recondita* f. sp. *tritici*)

☒ 2 Prevalent

Loose Smut (*Ustilago tritici*)

☒ 0

Flag Smut (*Urocystis agropyri*)

☒ 0

Common Bunt (*Tilletia tritici* or *T. laevis*)

☒ 0

Dwarf Bunt (*Tilletia controversa*)

☒ 0

Karnal Bunt (*Tilletia indica*)

☒ 0

Powdery Mildew (*Erysiphe graminis* f. sp. *tritici*)

☒ 0

"Snow Molds"

☒ 0

Common Root Rot (*Fusarium*, *Cochliobolus* and *Bipolaris* spp.)

☒ 0

Rhizoctonia Root Rot (*Rhizoctonia solani*)

☒ 0

Black Chaff (*Xanthomonas campestris* pv. *translucens*)

☒ 0

Bacterial Leaf Blight (*Pseudomonas syringae* pv. *syringae*)

☒ 0

Other (SPECIFY)

☒ 0

Other (SPECIFY)

☒ 0

Other (SPECIFY)

☒ 0

Other (SPECIFY)

☒ 0

"Conan"

15. INSECT: (0=Not Tested; 1=Susceptible; 2=Resistant; 3=Intermediate; 4=Tolerant)

9900232
Exhibit C (Wheat) Pa

PLEASE SPECIFY BIOTYPE (where needed)

Hessian Fly (*Mayetiola destructor*)

☒ 2 Prevalent in Washington State

Stem Sawfly (*Cephus* spp.)

☒ 2 Prevalent

Cereal Leaf Beetle (*Oulema melanopa*)

☐ 0

Russian Aphid (*Diuraphis noxia*)

☐ 0

Greenbug (*Schizaphis graminum*)

☐ 0

Aphids

☐ 0

Other (SPECIFY) ☐ 0

Other (SPECIFY) ☐ 0

Other (SPECIFY) ☐ 0

Other (SPECIFY) ☐ 0

Other (SPECIFY) ☐ 0

Other (SPECIFY) ☐ 0

16. ADDITIONAL INFORMATION ON ANY ITEM ABOVE, OR GENERAL COMMENTS:

CONAN

Table 1. Agronomic data comparing Conan with check varieties in the Montana State University Intrastate Yield Trials in 1995, 1996, and 1997.

Summary of 27 locations

Variety	Heading Date from 1/1			Plt. Ht. (inches)			T.W. (lbs/bu)			Protein %			Yield (bu/ac)		
	95	96	97	95	96	97	95	96	97	95	96	97	95	96	97
Conan*	180	182	181	31	29	28	60	61	61	13.2	14.5	14.2	64	53	57
Thatcher	183	185	183	42	36	38	59	59	60	13.2	14.7	13.6	56	48	52
Fortuna*	180	183	180	38	35	36	60	62	61	13.6	14.4	14.2	57	52	54
Lew*	184	185	184	39	34	36	61	61	65	13.2	14.5	13.8	62	51	55
Newana	183	185	184	32	28	29	59	60	60	12.4	13.8	13.3	68	55	61
Len	181	183	182	32	30	30	60	60	60	13.8	14.9	14.6	63	54	57
Amidon*	181	182	181	38	35	36	60	61	61	13.2	14.4	13.9	70	60	61
Trenton	183	180	182	35	35	36	61	61	61	15.0	14.2	14.6	56	60	58
Ernest*	180	183	181	38	35	34	61	61	61	13.8	14.9	14.6	67	56	61
Glenman*	182	184	182	33	29	30	58	60	59	12.5	13.5	13.3	63	56	58
Hi-Line	179	182	178	30	28	28	61	60	61	12.9	14.8	14.3	65	56	61
McNeal	182	184	182	34	30	31	60	60	60	13.4	14.6	14.1	70	58	64
Fergus	179	181	179	31	28	29	61	61	61	13.3	14.6	14.3	65	56	57
WB 926	177	180	177	30	29	28	60	60	60	13.5	15.1	14.6	62	57	58
WB 936	178	180	178	27	26	26	59	60	60	13.7	15.0	14.3	63	55	57
Express	181	182	181	27	25	26	59	60	59	13.4	14.4	13.8	65	58	57

* = Sawfly tolerant varieties

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CONAN

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Table 2. Disease and stem solidness data comparing Conan to check varieties in Montana State University trials in 1995 and 1997.

	Stem		Stripe Rust	Leaf Rust	1995 Disease Rating				
	Solidness*				Septoria			Tan spot	
	5 - 25				Havre	Kalispell	Conrad	Sidney-dry	Sidney-ir
	95	97							
Conan	12.1	11.6	1.0	1.0	L-M	L	M	L	L
Thatcher	7.0	10.1	4.0	3.5	L-M	L	L	L-M	0-L
Fortuna	20.3	20.3	3.5	3.0	M-H	M-H	L-M	M	L
Lew	17.0	14.9	1.5	3.5	L-M	L-M	L-M	H	L-M
Newana	8.2	7.5	2.5	2.0	M	L	L	M	L-M
Len	7.0	9.3	2.0	1.0	L	L-M	M	L-M	0
Amidon	16.0	16.9	2.0	1.0	L	L	L	L-M	L
Trenton	8.4	9.2	4.0	1.0	L	L	L	L	L
Ernest	19.2	16.6	4.5	1.5	L	L	L	L	0-L
Glenman	14.2	19.3	2.0	3.0	L-M	L-M	L-M	L-M	0
Hi-Line	8.2	7.4	2.0	2.0	M	H	L-M	L-M	L
McNeal	7.5	8.0	3.0	3.5	L	L	L	L	0
Fergus	10.3	9.0	2.5	2.0	M-H	H	M	M	0-L
WB 926	8.3	8.7	1.0	2.0	M	M	M	L	M
WB 936	9.5	9.2	1.0	3.0	M	L-M	L-M	L-M	L-M
Express	9.5	9.1	1.0	1.0	M	L-M	L	L	L

* 5 points given for each internode that is solid

Table 3. Quality data for "Conan" hard red spring wheat in Montana State University Intrastate Spring Wheat Yield Trials in 1995, 1996 and 1997.

1995 average of 5 locations

Variety	Flour		Mixograph			Baking Data			
	Protein %	Yield %	Abs %	min.	Tol	Abs %	Loaf Vol cc	Bake min.	CG
Conan	12.1	70.0	64.9	3.6	2.8	78.1	982	6.1	2.6
Newana	11.8	69.0	63.1	2.4	2.4	76.0	1016	4.3	2.8
Fortuna	12.6	73.8	64.5	2.4	2.0	74.4	988	3.5	2.8
Lew	12.7	73.0	65.0	3.5	3.4	77.3	1018	6.4	3.0
Amidon	12.3	71.4	64.5	3.0	2.4	74.4	958	4.0	2.2
Hi-Line	12.2	70.0	64.6	3.6	3.6	80.3	1025	9.1	2.8
McNeal	12.2	69.8	64.3	3.7	3.8	81.7	985	9.1	2.0

1996 average of 3 locations

Variety	Flour		Mixograph			Baking Data			
	Protein %	Yield %	Abs %	min.	Tol	Abs %	Loaf Vol cc	Bake min.	CG
Conan	12.9	65.1	71.8	7.6	5.0	91.2	1153	20.0	
Newana	12.0	63.7	70.0	3.8	2.5	86.6	1080	9.3	
Fortuna	12.8	69.6	71.3	3.8	2.5	87.1	973	9.0	
Lew	13.2	68.4	73.3	6.7	4.0	89.1	1073	25.5	
Amidon	12.9	68.9	72.7	4.4	3.6	86.6	1077	12.6	
Hi-Line	13.1	62.9	72.8	8.0	5.3	94.2	1040	24.9	
McNeal	12.9	64.2	72.4	8.6	5.3	93.6	1095	31.2	

1997 average of 5 locations

Variety	Flour		Mixograph			Baking Data			
	Protein %	Yield %	Abs %	min.	Tol	Abs %	Loaf Vol cc	Bake min.	CG
Conan	12.2	64.4	65.8	5.6	5	74.5	1163	7.6	2
Newana	11.7	63.2	64.7	3.4	3	70.9	1151	3.6	2
Fortuna	13.0	68.2	67.1	3.2	3	72.9	1117	3.4	3
Lew	12.7	67.9	65.8	4.8	5	73.0	1170	5.6	3
Amidon	12.5	67.8	66.4	3.4	4	71.9	1097	3.6	2
Hi-Line	13.0	61.9	67.1	5.5	6	75.3	1215	9.0	2
McNeal	12.5	63.9	66.3	5.8	5	75.5	1142	7.4	3

U.S. DEPARTMENT OF AGRICULTURE
 AGRICULTURAL MARKETING SERVICE
 SCIENCE AND TECHNOLOGY DIVISION - PLANT VARIETY PROTECTION OFFICE

EXHIBIT E
 STATEMENT OF THE BASIS OF OWNERSHIP

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

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4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country) 8111 Timberline Drive Bozeman, MT 59718-8184	5. TELEPHONE (include area code) (406)-587-1218	6. FAX (include area code) (406)-586-8247
	7. PVPO NUMBER	9900232

8. Does the applicant own all rights to the variety? Mark an "X" in appropriate block. If no, please explain.

☒ YES ☐ NO

9. Is the applicant (individual or company) a U.S. national or U.S. based company?
 If no, give name of country _____

☒ YES ☐ NO

10. Is the applicant the original breeder? If no, please answer the following:

☒ YES ☐ NO

a. If original rights to variety were owned by individual(s):

Is (are) the original breeder(s) a U.S. national(s)? If no, give name of country _____

☐ YES ☐ NO

b. If original rights to variety were owned by a company:

Is the original breeder(s) U.S. based company? If no, give name of country _____

11. Additional explanation on ownership (If needed, use reverse for extra space):

PLEASE NOTE:

Plant variety protection can be afforded only to owners (not licensees) who meet one of the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
3. If the applicant is an owner who is not the original breeder, both the original breeder and the applicant must meet one of the above criteria.

The original breeder may be the individual or company who directed final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definition.

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